

STIC-Biotech/ChemLib

176 804

From: Chan, Christina  
Sent: Tuesday, January 17, 2006 3:59 PM  
To: Yu, Misook; STIC-Biotech/ChemLib  
Subject: RE: rush searh request for 09/626,219 due this biweek

Please rush. Thanks Chris

Chris Chan  
TC 1600 New Hire Training Coordinator and SPE 1644  
(571)-272-0841  
Remsen, 3E89

-----Original Message-----

From: Yu, Misook  
Sent: Tuesday, January 17, 2006 3:37 PM  
To: Chan, Christina  
Subject: rush searh request for 09/626;219 due this biweek

Please do Interference search only for SEQ ID NO: 1 (protein).

Examiner Misook Yu, Ph.D.  
571-272-0839 (Phone)  
Art Unit 1642  
REM-3A18 (Room)  
REM-3C18 (Mail Box)

RECEIVED  
JAN 17 2006  
STIC

\*\*\*\*\*

Searcher: \_\_\_\_\_  
Searcher Phone: \_\_\_\_\_  
Date Searcher Picked up: \_\_\_\_\_  
Date completed: \_\_\_\_\_  
Searcher Prep Time: \_\_\_\_\_  
Online Time: \_\_\_\_\_

\*\*\*\*\*

Type of Search  
NA# \_\_\_\_\_ AA# \_\_\_\_\_  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure #: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*

Vendors and cost where applicable  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIS: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (Specify): \_\_\_\_\_

**THIS PAGE BLANK (USPTO)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2006 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 18, 2006, 14:53:50 ; Search time 23 Seconds  
(without alignments)  
708.135 Million cell updates/sec

Title: US-09-626-219-1  
Perfect score: 1133  
Sequence: 1 SQPQAVPPYASNQTRDQE.....QSDTTCKNPLEPLPPMSGT 197

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues  
Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/1/iaa/5 COMB.pep:\*  
2: /cgn2\_6/ptodata/1/iaa/6 COMB.pep:\*  
3: /cgn2\_6/ptodata/1/iaa/H COMB.pep:\*  
4: /cgn2\_6/ptodata/1/iaa/PTUS COMB.pep:\*  
5: /cgn2\_6/ptodata/1/iaa/RE COMB.pep:\*  
6: /cgn2\_6/ptodata/1/iaa/backfileai.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1133	100.0	197	1	US-08-505-606-1
2	1133	100.0	197	2	US-09-000-166-1
3	1133	100.0	197	2	US-09-303-262-1
4	1133	100.0	473	2	US-09-949-016-7944
5	987	87.1	170	2	US-08-828-683A-14
6	981	86.6	170	2	US-09-523-323-57
7	771	68.0	415	2	US-09-006-353A-6
8	771	68.0	415	2	US-09-573-986-6
9	456	40.2	77	2	US-08-866-545-3
10	456	40.2	77	2	US-09-627-775-3
11	305	26.9	227	2	US-08-974-022-48
12	305	26.9	227	2	US-08-795-445A-48
13	305	26.9	227	2	US-08-795-447A-48
14	305	26.9	227	2	US-08-974-186-48
15	305	26.9	227	2	US-08-795-446B-48
16	305	26.9	227	2	US-08-706-945D-134
17	305	26.9	227	2	US-08-577-788C-48
18	305	26.9	235	2	US-09-326-394-4
19	305	26.9	235	2	US-09-580-235-2
20	305	26.9	235	2	US-09-580-235-8
21	305	26.9	235	2	US-09-580-181-2
22	305	26.9	235	2	US-09-580-181-8
23	305	26.9	235	2	US-09-102-530-2
24	305	26.9	235	2	US-09-102-530-8
25	305	26.9	257	2	US-09-579-845-10
26	305	26.9	439	2	US-10-360-101-226
27	305	26.9	461	1	US-08-385-229-2

28	305	26.9	461	1	US-08-650-000-2	Sequence 2, Appli
29	305	26.9	461	2	US-09-042-785A-7	Sequence 7, Appli
30	305	26.9	461	2	US-08-477-347-3	Sequence 3, Appli
31	305	26.9	461	2	US-09-006-353A-4	Sequence 4, Appli
32	305	26.9	461	2	US-08-476-862-2	Sequence 2, Appli
33	305	26.9	461	2	US-09-573-986-4	Sequence 4, Appli
34	305	26.9	461	2	US-08-406-824A-2	Sequence 2, Appli
35	305	26.9	461	2	US-09-800-909-2	Sequence 2, Appli
36	305	26.9	461	2	US-09-758-124-2	Sequence 3, Appli
37	305	26.9	461	2	US-09-800-908-3	Sequence 3, Appli
38	305	26.9	461	2	US-09-896-096A-17	Sequence 17, Appli
39	305	26.9	461	2	US-09-949-016-6019	Sequence 6019, Ap
40	305	26.9	461	2	US-10-046-433-6	Sequence 6, Appli
41	305	26.9	461	6	5395760-2	Patent No. 5395760
42	305	26.9	486	1	US-08-243-010-1	Sequence 1, Appli
43	305	26.9	491	2	US-09-949-016-7840	Sequence 7840, Ap
44	305	26.9	518	1	US-08-385-229-4	Sequence 4, Appli
45	305	26.9	518	2	US-09-579-845-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1  
US-08-505-606-1  
; Sequence 1, Application US/08505606  
; Patent No. 5925351  
; GENERAL INFORMATION:  
; APPLICANT: BROWNING, Jeffrey L.  
; APPLICANT: BENJAMIN, Christopher D.  
; APPLICANT: HOCHMAN, Paula S.  
; TITLE OF INVENTION: SOLUBLE LYMPHOTOXIN-BETA RECEPTORS AND  
; TITLE OF INVENTION: ANTI-LYMPHOTOXIN RECEPTOR AND LIGAND ANTIBODIES AS  
; TITLE OF INVENTION: THERAPEUTIC AGENTS FOR THE TREATMENT OF IMMUNOLOGICAL  
; NUMBER OF SEQUENCES: 1  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: James F. Haley, Jr.  
; STREET: 1251 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10020  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/505,606  
; FILING DATE: 21-JUL-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/378,968  
; FILING DATE: 28-JAN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: HALEY, Jr., James F.  
; REGISTRATION NUMBER: 27,794  
; REFERENCE/DOCKET NUMBER: B191  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 596-9000  
; TELEFAX: (212) 596-9090  
; TELEX: 14-8367  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 197 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-505-606-1

Query Match 100.0% Score 1133; DB 1; Length 197;

Best Local Similarity 100.0%; Pred. No. 3.6e-99; Mismatches 0; Indels 0; Gaps 0;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 SQQAVPPYASENQTCDQKEEYEPQHRICCSRCPPGTYYSAKCSRIKDTVCATCAENS 60  
DB 1 SQQAVPPYASENQTCDQKEEYEPQHRICCSRCPPGTYYSAKCSRIKDTVCATCAENS 60  
QY 61 YNEHWNLYTICOLCRPCDPVGMGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSD 120  
DB 61 YNEHWNLYTICOLCRPCDPVGMGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSD 120  
QY 121 CPPGTEAEKLDVKGNNHCVPCKAGHFQNTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180  
DB 121 CPPGTEAEKLDVKGNNHCVPCKAGHFQNTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180  
QY 181 TTCNPLEPLPPMSGT 197  
DB 181 TTCNPLEPLPPMSGT 197

RESULT 2

US-09-000-166-1  
; Sequence 1, Application US/09000166A  
; Patent No. 6403087  
; GENERAL INFORMATION:  
; APPLICANT: BROWNING, et al.  
; TITLE OF INVENTION: Soluble Lymphotoxin-B Receptors and Anti-lymphotoxin  
; TITLE OF INVENTION: Receptor and Ligand Antibodies, as Therapeutic Agents  
; TITLE OF INVENTION: for the Treatment of Immunological Disease.  
; FILE REFERENCE: B191  
; CURRENT APPLICATION NUMBER: US/09/000,166A  
; EARLIER FILING DATE: 1998-06-08  
; EARLIER APPLICATION NUMBER: PCT/US96/12010  
; EARLIER FILING DATE: 1996-07-19  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 197  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-000-166-1

Query Match 100.0%; Score 1133; DB 2; Length 197;  
Best Local Similarity 100.0%; Pred. No. 3.6e-99; Mismatches 0; Indels 0; Gaps 0;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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DB 1 SQQAVPPYASENQTCDQKEEYEPQHRICCSRCPPGTYYSAKCSRIKDTVCATCAENS 60  
QY 61 YNEHWNLYTICOLCRPCDPVGMGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSD 120  
DB 61 YNEHWNLYTICOLCRPCDPVGMGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSD 120  
QY 121 CPPGTEAEKLDVKGNNHCVPCKAGHFQNTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180  
DB 121 CPPGTEAEKLDVKGNNHCVPCKAGHFQNTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180  
QY 181 TTCNPLEPLPPMSGT 197  
DB 181 TTCNPLEPLPPMSGT 197

RESULT 3

US-09-303-262-1  
; Sequence 1, Application US/09303262  
; Patent No. 6669941  
; GENERAL INFORMATION:  
; APPLICANT: BROWNING, Jeffrey L.  
; BENJAMIN, Christopher D.  
; HOCHMAN, Paula S.  
; TITLE OF INVENTION: SOLUBLE LYMPHOTOXIN-BETA RECEPTORS AND  
; ANTI-LYMPHOTOXIN RECEPTOR AND LIGAND ANTIBODIES AS

THERAPEUTIC AGENTS FOR THE TREATMENT OF IMMUNOLOGICAL DISEASE  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: James F. Haley, Jr.  
STREET: 1251 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10020  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/303,262  
FILING DATE: 30-Apr-1999  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/505,606  
FILING DATE: 21-JUL-1995  
APPLICATION NUMBER: US 08/378,968  
FILING DATE: 26-JAN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: HALEY, Jr., James F.  
REGISTRATION NUMBER: 27,794  
REFERENCE/DOCKET NUMBER: B191  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 596-9000  
TELEFAX: (212) 596-9090  
TELEX: 14-8367  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 197 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-303-262-1

Query Match 100.0%; Score 1133; DB 2; Length 197;  
Best Local Similarity 100.0%; Pred. No. 3.6e-99; Mismatches 0; Indels 0; Gaps 0;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 SQQAVPPYASENQTCDQKEEYEPQHRICCSRCPPGTYYSAKCSRIKDTVCATCAENS 60  
DB 1 SQQAVPPYASENQTCDQKEEYEPQHRICCSRCPPGTYYSAKCSRIKDTVCATCAENS 60  
QY 61 YNEHWNLYTICOLCRPCDPVGMGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSD 120  
DB 61 YNEHWNLYTICOLCRPCDPVGMGLEIAICTSKRTQCRQCPGMFCAAWALECTHCELLSD 120  
QY 121 CPPGTEAEKLDVKGNNHCVPCKAGHFQNTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180  
DB 121 CPPGTEAEKLDVKGNNHCVPCKAGHFQNTSSPSARQCPHTRCENQGLVEAAPGTAQSD 180  
QY 181 TTCNPLEPLPPMSGT 197  
DB 181 TTCNPLEPLPPMSGT 197

RESULT 4

US-09-949-016-7944  
; Sequence 7944, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7944  
; LENGTH: 473  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-7944

Query Match 100.0%; Score 1133; DB 2; Length 473;  
Best Local Similarity 100.0%; Pred. No. 9.5e-99;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 SQQAVPPYASENQTCRDOEKEYEYEPQHRICCSRCPPGTIVSAKCSRIKRTVTCATCAENS 60  
DB 66 SQQAVPPYASENQTCRDOEKEYEYEPQHRICCSRCPPGTIVSAKCSRIKRTVTCATCAENS 125  
  
QY 61 YNEHWNLYTICQLCRCDPVMGLEETAPCTSKRTQCRCPGMFCAAWALECTHCELLSD 120  
DB 126 YNEHWNLYTICQLCRCDPVMGLEETAPCTSKRTQCRCPGMFCAAWALECTHCELLSD 185  
  
QY 121 CPPGTAEALKDEVGKNNHCVPCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 180  
DB 186 CPPGTAEALKDEVGKNNHCVPCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 245  
  
QY 181 TTCKNPLELPPEMSGT 197  
DB 246 TTCKNPLELPPEMSGT 262

RESULT 5  
US-08-828-683A-14  
; Sequence 14, Application US/08828683A  
; Patent No. 6469144  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; TITLE OF INVENTION: Apo-2 Li AND Apo-3 POLYPEPTIDES  
; NUMBER OF SEQUENCES: 28  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 1 DNA Way  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Winpatin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/828,683A  
; FILING DATE: 31-Mar-1997  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/625328  
; FILING DATE: 1-Apr-1996  
; APPLICATION NUMBER: 08/710802  
; FILING DATE: 23-Sep-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Marschang, Diane L.  
; REGISTRATION NUMBER: 35,600  
; REFERENCE/DOCKET NUMBER: P1007P1  
; TELEPHONE: 650/225-5416  
; TELEFAX: 650/952-9881  
; INFORMATION FOR SEQ ID NO: 14:

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 170 amino acids  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
US-08-828-683A-14  
  
Query Match 87.1%; Score 987; DB 2; Length 170;  
Best Local Similarity 100.0%; Pred. No. 1.7e-85;  
Matches 170; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 15 TCRDOEKEYEYEPQHRICCSRCPPGTIVSAKCSRIKRTVTCATCAENSYNEHWNLYTICQLC 74  
DB 1 TCRDOEKEYEYEPQHRICCSRCPPGTIVSAKCSRIKRTVTCATCAENSYNEHWNLYTICQLC 60  
  
QY 75 RPCDPVMGLEETAPCTSKRTQCRCPGMFCAAWALECTHCELLSDCPPGTAEALKDEVG 134  
DB 61 RPCDPVMGLEETAPCTSKRTQCRCPGMFCAAWALECTHCELLSDCPPGTAEALKDEVG 120  
  
QY 135 KGNHCVPCCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSDTTCK 184  
DB 121 KGNHCVPCCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSDTTCK 170

RESULT 6  
US-09-523-323-57  
; Sequence 57, Application US/09523323  
; Patent No. 6635743  
; GENERAL INFORMATION:  
; APPLICANT: Ebner, Reinhard  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Ruben, Steven M.  
; APPLICANT: Ullrich, Stephen  
; APPLICANT: Zhai, Yifan  
; TITLE OF INVENTION: Apoptosis Inducing Molecule II and Methods of Use  
; FILE REFERENCE: 1488, 065000C  
; CURRENT APPLICATION NUMBER: US/09/523,323  
; CURRENT FILING DATE: 2000-03-10  
; EARLIER APPLICATION NUMBER: 60/168,380  
; EARLIER FILING DATE: 1999-12-02  
; EARLIER APPLICATION NUMBER: 60/148,326  
; EARLIER FILING DATE: 1999-08-11  
; EARLIER APPLICATION NUMBER: 60/142,657  
; EARLIER FILING DATE: 1999-07-06  
; EARLIER APPLICATION NUMBER: 60/137,457  
; EARLIER FILING DATE: 1999-06-04  
; EARLIER APPLICATION NUMBER: 60/124,041  
; EARLIER FILING DATE: 1999-03-11  
; EARLIER APPLICATION NUMBER: 09/252,656  
; EARLIER FILING DATE: 1999-02-19  
; EARLIER APPLICATION NUMBER: 60/075,409  
; EARLIER FILING DATE: 1998-02-20  
; EARLIER APPLICATION NUMBER: 09/027,287  
; EARLIER FILING DATE: 1998-02-20  
; EARLIER APPLICATION NUMBER: 09/003,886  
; EARLIER FILING DATE: 1998-01-07  
; EARLIER APPLICATION NUMBER: 08/822,953  
; EARLIER FILING DATE: 1997-03-21  
; EARLIER APPLICATION NUMBER: 60/013,923  
; EARLIER FILING DATE: 1996-03-22  
; EARLIER APPLICATION NUMBER: 60/030,157  
; EARLIER FILING DATE: 1996-10-31  
; NUMBER OF SEQ ID NOS: 70  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 57  
; LENGTH: 170  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (7)  
; OTHER INFORMATION: May be any amino acid  
US-09-523-323-57

Query Match 86.6%; Score 981; DB 2; Length 170;  
 Best Local Similarity 99.4%; Pred. No. 6.4e-85;  
 Matches 169; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 15 TCRDQEXEYEPQHRICCSRCPPGGTYVSACSRIRDTVCATCAENSYNEHWNLYLTICQLC 74  
 DB 1 TCRDQEXEYEPQHRICCSRCPPGGTYVSACSRIRDTVCATCAENSYNEHWNLYLTICQLC 60

QY 75 RCPDPMGLIEIAPCTSKRTQCRCPGMFCAAWALECTHCELLSDCPGTEAEKDRVG 134  
 DB 61 RCPDPMGLIEIAPCTSKRTQCRCPGMFCAAWALECTHCELLSDCPGTEAEKDRVG 120

QY 135 KGNHNCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCK 184  
 DB 121 KGNHNCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCK 170

RESULT 7  
 US-09-006-353A-6  
 ; Sequence 6, Application US/09006353A  
 ; Patent No. 6261801  
 ; GENERAL INFORMATION:  
 ; APPLICANT: WEI, YING-FEI  
 ; APPLICANT: YU, GUO-LIANG  
 ; APPLICANT: GENTZ, REINER  
 ; APPLICANT: RUBEN, STEVEN  
 ; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR 5  
 ; NUMBER OF SEQUENCES: 26  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: HUMAN GENOME SCIENCES, INC.  
 ; STREET: 9410 KEY WEST AVENUE  
 ; CITY: ROCKVILLE  
 ; STATE: MD  
 ; COUNTRY: US  
 ; ZIP: 20850  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/006,353A  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: BROOKES, ANDERS A  
 ; REGISTRATION NUMBER: 36,373  
 ; REFERENCE/DOCKET NUMBER: PF341  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (301) 309-8504  
 ; TELEFAX: (301) 309-8512  
 ; INFORMATION FOR SEQ ID NO: 6:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 415 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-09-006-353A-6

Query Match 68.0%; Score 771; DB 2; Length 415;  
 Best Local Similarity 70.7%; Pred. No. 1e-64;  
 Matches 135; Conservative 14; Mismatches 40; Indels 2; Gaps 1;

QY 1 SQQAVPPYASENQTCRDOEKEYEYPQHRICCSRCPPGGTYVSACSRIRDTVCATCAENS 60  
 DB 28 SQQLVPPYRIENQTCWDQKEYEYPMHVDVCCSRCPGGEFVAVCSRSQDTVCKTCPHNS 87

QY 61 YNEHWNLYLTICQLCRPCDPMGLIEIAPCTSKRTQCRCPGMFCAAWALECTHC--ELL 118  
 DB 88 YNEHWNHLSLTQLCRPCDIVLGFEVAPCTSDRAECRCQFGMSCVYLDNECVHCEERL 147

QY 119 SDCPPGTEAEKLDKGVGKNNHCVPCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQ 178  
 DB 148 VLCQPGTEAEVTDIMDTDVNCVCKPGHFONTSSPRARCPHTRCETIQGLVEAAPGTSY 207

QY 179 SDTICKNPLEP 189  
 DB 208 SDTICKNPPPEP 218

RESULT 8  
 US-09-573-986-6  
 ; Sequence 6, Application US/09573986  
 ; Patent No. 6455040  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Wei, Ying-Fei  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Gentz, Reiner  
 ; APPLICANT: Ruben, Steven  
 ; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5  
 ; FILE REFERENCE: 1488.1280004  
 ; CURRENT APPLICATION NUMBER: US/09/573,986  
 ; CURRENT FILING DATE: 2000-05-18  
 ; NUMBER OF SEQ ID NOS: 27  
 ; SOFTWARE: Patent In Ver. 2.1  
 ; SEQ ID NO 6  
 ; LENGTH: 415  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-573-986-6

Query Match 68.0%; Score 771; DB 2; Length 415;  
 Best Local Similarity 70.7%; Pred. No. 1e-64;  
 Matches 135; Conservative 14; Mismatches 40; Indels 2; Gaps 1;

QY 1 SQQAVPPYASENQTCRDOEKEYEYPQHRICCSRCPPGGTYVSACSRIRDTVCATCAENS 60  
 DB 28 SQQLVPPYRIENQTCWDQKEYEYPMHVDVCCSRCPGGEFVAVCSRSQDTVCKTCPHNS 87

QY 61 YNEHWNLYLTICQLCRPCDPMGLIEIAPCTSKRTQCRCPGMFCAAWALECTHC--ELL 118  
 DB 88 YNEHWNHLSLTQLCRPCDIVLGFEVAPCTSDRAECRCQFGMSCVYLDNECVHCEERL 147

QY 119 SDCPPGTEAEKLDKGVGKNNHCVPCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQ 178  
 DB 148 VLCQPGTEAEVTDIMDTDVNCVCKPGHFONTSSPRARCPHTRCETIQGLVEAAPGTSY 207

QY 179 SDTICKNPLEP 189  
 DB 208 SDTICKNPPPEP 218

RESULT 9  
 US-08-866-545-3  
 ; Sequence 3, Application US/08866545  
 ; Patent No. 6265535  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Greene, Mark I.  
 ; APPLICANT: Murali, Ramachandran  
 ; APPLICANT: Takasaki, Wataru  
 ; TITLE OF INVENTION: PEPTIDES AND PEPTIDE  
 ; TITLE OF INVENTION: ANALOGUES DESIGNED FROM BINDING SITES OF TUMOR  
 ; TITLE OF INVENTION: NECROSIS FACTOR RECEPTOR SUPERFAMILY AND THEIR  
 ; NUMBER OF SEQUENCES: 27  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds LLP  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10036-2811  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/866,545  
FILING DATE: 30-MAY-1997  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 009113-0004-999  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-493-4935  
TELEFAX: 650-493-5556  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 77 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6265535e  
US-08-866-545-3

Query Match 40.2%; Score 456; DB 2; Length 77;  
Best Local Similarity 100.0%; Pred. No. 7.6e-36;  
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 VCATCAENSYNEHWNLYTICQLCRPCDPVNGLEBIAICTSKRTQCRQCPGMFCAAWALE 111  
DB 1 VCATCAENSYNEHWNLYTICQLCRPCDPVNGLEBIAICTSKRTQCRQCPGMFCAAWALE 60

QY 112 CTHCELLSDCPCPGTEAE 128  
DB 61 CTHCELLSDCPCPGTEAE 77

RESULT 10  
US-09-627-775-3  
Sequence 3, Application US/09627775  
Patent No. 6682739  
GENERAL INFORMATION:  
APPLICANT: Greene, Mark  
APPLICANT: Murali, Ramachandran  
APPLICANT: Aoki, Kazuhiro  
APPLICANT: Baron, Roland  
TITLE OF INVENTION: Methods of Inhibiting Osteoclastogenesis  
FILE REFERENCE: UPN3832  
CURRENT APPLICATION NUMBER: US/09/627,775  
CURRENT FILING DATE: 2000-07-28  
PRIOR FILING DATE: 60/146,090  
PRIOR FILING DATE: 1999-07-28  
NUMBER OF SEQ ID NOS: 29  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 3  
LENGTH: 77  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-627-775-3

Query Match 40.2%; Score 456; DB 2; Length 77;  
Best Local Similarity 100.0%; Pred. No. 7.6e-36;  
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 VCATCAENSYNEHWNLYTICQLCRPCDPVNGLEBIAICTSKRTQCRQCPGMFCAAWALE 111  
DB 1 VCATCAENSYNEHWNLYTICQLCRPCDPVNGLEBIAICTSKRTQCRQCPGMFCAAWALE 60

QY 112 CTHCELLSDCPCPGTEAE 128  
DB 61 CTHCELLSDCPCPGTEAE 77

DB 61 CTHCELLSDCPCPGTEAE 77

RESULT 11  
US-08-974-022-48  
Sequence 48, Application US/08974022  
Patent No. 6015938  
GENERAL INFORMATION:  
APPLICANT: Boyle, William J.  
APPLICANT: Lacey, David L.  
APPLICANT: Calzone, Frank J.  
APPLICANT: Chang, Ming-Shi  
TITLE OF INVENTION: OSTEOPROTEGERIN  
NUMBER OF SEQUENCES: 53  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Amgen Inc.  
STREET: 1840 Dehaviiland Drive  
CITY: Thousand Oaks  
STATE: California  
COUNTRY: USA  
ZIP: 91320-1789  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/974,022  
FILING DATE: 12-DEC-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/577,788  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Winter, Robert B.  
REFERENCE/DOCKET NUMBER: A-378  
INFORMATION FOR SEQ ID NO: 48:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 227 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-974-022-48

Query Match 26.9%; Score 305; DB 2; Length 227;  
Best Local Similarity 35.0%; Pred. No. 4.3e-21;  
Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;

QY 5 AVPPYASE-NQTCRDOEKYYPQHRICCSRCPPGTYVSAKCSRIKDTVCATCAENSYNE 63  
DB 28 APTPYAPEPGSTCR--LREYDQTAQMCCSKCSPGQHAQVFTCTKTSDTVDCSDCEDSYTQ 85

QY 64 HNNYLTICQLCR---PCDPVNGLEBIAICTSKRTQCRQCPGMFCAAWALE-CTHCELLS 119  
DB 86 LMNWPCECLSCGSRCSDDV---ETQACTREQNRICTRPGWYCALSKQEGRLCAPLR 141

QY 120 DCPPG-----TEAELKDEYKGNHNCVPCCKAGHFONTSSPASCQPHTRCENQGLVEAAP 174  
DB 142 KCRPGFGVARPGTETSDVV-----CKPCAPGTFTSSTSDICRPHQICN----VVAIP 191

QY 175 GTAQSDTTC--KNPLEPLPP 192  
DB 192 GNASRDVACTSTSPTRSMAP 211

RESULT 12  
US-08-795-445A-48  
Sequence 48, Application US/08795445A  
Patent No. 6284485  
GENERAL INFORMATION:  
APPLICANT: Boyle, William J.  
APPLICANT: Lacey, David L.

```

; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,445A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 227 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-445A-48

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Query Match 26.9%; Score 305; DB 2; Length 227;  
 Best Local Similarity 35.0%; Pred. No. 4.3e-21;  
 Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;

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QY 5 AVPPYASE-NOTCRDQEKYEPQHRIICSCRCPPGTYYVSAKCSRIRDTVCATCAENSYNE 63
DB 28 AFTPYAPEPGSTCR--LREYYDQTAQMCCSKSPGQHKVCTKTSIDTVCDSCDSTYTQ 85
QY 64 HWNYLTICQLCR---PCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALE-CTHCELLS 119
DB 86 LNNWVPECLSCGRSSDQV-----ETQACTREONRICTCRPGWYCALSKQBGCRLCAPLR 141
QY 120 DCPPG-----TEAEKDEVGKNNHCVPCKAGHFQNTSSPSARCOPHTRCENQGLVEAAP 174
DB 142 KCRPGFGVAPGTETSDV-----CKPCAPGTFSTSTSDICRPHQICN-----VWAIP 191
QY 175 GTAQSDTTC---KNPLEPLPP 192
DB 192 GNASRDVACTSTSPTRSMAP 211

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RESULT 13
US-08-795-447A-48
; Sequence 48, Application US/08795447A
; Patent No. 6284728
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: Osteoprotegerin
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: One Amgen Center Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA

```

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; ZIP: 91362-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,447A
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378D2
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 227 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-447A-48

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Query Match 26.9%; Score 305; DB 2; Length 227;  
 Best Local Similarity 35.0%; Pred. No. 4.3e-21;  
 Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;

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DB 28 AFTPYAPEPGSTCR--LREYYDQTAQMCCSKSPGQHKVCTKTSIDTVCDSCDSTYTQ 85
QY 64 HWNYLTICQLCR---PCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALE-CTHCELLS 119
DB 86 LNNWVPECLSCGRSSDQV-----ETQACTREONRICTCRPGWYCALSKQBGCRLCAPLR 141
QY 120 DCPPG-----TEAEKDEVGKNNHCVPCKAGHFQNTSSPSARCOPHTRCENQGLVEAAP 174
DB 142 KCRPGFGVAPGTETSDV-----CKPCAPGTFSTSTSDICRPHQICN-----VWAIP 191
QY 175 GTAQSDTTC---KNPLEPLPP 192
DB 192 GNASRDVACTSTSPTRSMAP 211

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RESULT 14
US-08-974-186-48
; Sequence 48, Application US/08974186
; Patent No. 6284740
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,186
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:

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ATTORNEY/AGENT INFORMATION:  
NAME: Winter, Robert B.  
REFERENCE/DOCKET NUMBER: A-378  
INFORMATION FOR SEQ ID NO: 48:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 227 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-974-186-48

Query Match 26.9%; Score 305; DB 2; Length 227;  
Best Local Similarity 35.0%; Pred. No. 4.3e-21;  
Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;  
QY 5 AVPPYASE-NQCRDOEKEYEYEPQHRICGSRCPGGTYVSAGKSRIRDTVCATCAENSUNE 63  
DB 28 AFTPYAPEPGSTCR--LREYDQTAQMCCKSPGQHAQVFKTSDTVCDSCEDSTYTQ 85  
QY 64 HNNYLTICOLCR---PCDPVVGLEEBIAPCTSKRKTCRCQCPGMFCAAWALE-CTHCELS 119  
DB 86 LNNWVPECLSCGSRCSDDV---ETQACTREONRICTCRPGWYCALSKQEGCRLCAPLR 141  
QY 120 DCPPG-----TBAELKDEYVGKNNHCVPCKAGHFQNTSSPSARCQPHTRCENOGLYEAAP 174  
DB 142 KCRPGFGVARPGTETSDVV-----CKPCAPGTFSNTTSDICRPHQICN-----VVAIP 191  
QY 175 GTAQSDTTC--KNPLEPLPP 192  
DB 192 GNASRDAVCTSTSPTRSMAP 211

RESULT 15

US-08-795-446B-48  
Sequence 48, Application US/08795446B  
Patent No. 6288032  
GENERAL INFORMATION:  
APPLICANT: Boyle, William J.  
APPLICANT: Lacey, David L.  
APPLICANT: Calzone, Frank J.  
APPLICANT: Chang, Ming-Shi  
TITLE OF INVENTION: OSTEOPROTEGERIN  
NUMBER OF SEQUENCES: 53  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Amgen Inc.  
STREET: 1840 Denavilland Drive  
CITY: Thousand Oaks  
STATE: California  
COUNTRY: USA  
ZIP: 91320-1789  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/795,446B  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/577,788  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Winter, Robert B.  
REFERENCE/DOCKET NUMBER: A-378  
INFORMATION FOR SEQ ID NO: 48:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 227 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein

US-08-795-446B-48

Query Match 26.9%; Score 305; DB 2; Length 227;  
Best Local Similarity 35.0%; Pred. No. 4.3e-21;  
Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;  
QY 5 AVPPYASE-NQCRDOEKEYEYEPQHRICGSRCPGGTYVSAGKSRIRDTVCATCAENSUNE 63  
DB 28 AFTPYAPEPGSTCR--LREYDQTAQMCCKSPGQHAQVFKTSDTVCDSCEDSTYTQ 85  
QY 64 HNNYLTICOLCR---PCDPVVGLEEBIAPCTSKRKTCRCQCPGMFCAAWALE-CTHCELS 119  
DB 86 LNNWVPECLSCGSRCSDDV---ETQACTREONRICTCRPGWYCALSKQEGCRLCAPLR 141  
QY 120 DCPPG-----TBAELKDEYVGKNNHCVPCKAGHFQNTSSPSARCQPHTRCENOGLYEAAP 174  
DB 142 KCRPGFGVARPGTETSDVV-----CKPCAPGTFSNTTSDICRPHQICN-----VVAIP 191  
QY 175 GTAQSDTTC--KNPLEPLPP 192  
DB 192 GNASRDAVCTSTSPTRSMAP 211

Search completed: January 18, 2006, 15:04:53  
Job time : 23 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2006 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 19, 2006, 15:04:27 ; Search time 9 Seconds  
(without alignments)  
221.819 Million cell updates/sec

Title: US-09-626-219-1  
Perfect score: 1133  
Sequence: 1 SQQAVPPVASENQTCDQGE.....QSDTTCKNPLELPPEMSGT 197

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 70606 seqs, 10133881 residues

Total number of hits satisfying chosen parameters: 70606

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA\_New.\*  
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2: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1133	100.0	435	7	US-11-077-386-19 Sequence 19, Appl
2	1133	100.0	450	7	US-11-077-386-20 Sequence 20, Appl
3	1129	99.6	399	7	US-11-077-386-18 Sequence 18, Appl
4	771	68.0	415	7	US-11-182-946-6 Sequence 6, Appl
5	305	26.9	235	7	US-11-126-126-16 Sequence 16, Appl
6	305	26.9	461	7	US-11-132-285-6 Sequence 6, Appl
7	305	26.9	461	7	US-11-182-946-4 Sequence 4, Appl
8	285.5	25.2	300	7	US-11-154-257-2 Sequence 2, Appl
9	280	24.7	191	6	US-10-924-074-4 Sequence 4, Appl
10	279	24.6	229	6	US-10-924-074-8 Sequence 8, Appl
11	279	24.6	237	6	US-10-924-074-6 Sequence 6, Appl
12	279	24.6	244	6	US-10-924-074-24 Sequence 24, Appl
13	278	24.5	277	6	US-10-924-074-24 Sequence 24, Appl
14	278	24.5	277	7	US-11-182-946-10 Sequence 10, Appl
15	278	24.5	277	7	US-11-127-046-2 Sequence 2, Appl
16	278	24.5	359	7	US-11-105-172-2 Sequence 2, Appl
17	278	24.5	391	7	US-11-105-172-4 Sequence 4, Appl
18	252.5	22.3	203	7	US-11-069-856-1 Sequence 1, Appl
19	243	21.4	537	7	US-11-144-236-6 Sequence 6, Appl
20	239.5	21.1	380	7	US-11-144-236-1 Sequence 1, Appl
21	239.5	21.1	401	6	US-10-510-876-2 Sequence 2, Appl
22	239.5	21.1	401	6	US-10-510-876-4 Sequence 4, Appl
23	238.5	21.1	161	7	US-11-154-257-3 Sequence 3, Appl
24	236	20.8	165	7	US-11-069-856-23 Sequence 23, Appl
25	230.5	20.3	283	6	US-10-987-663-4 Sequence 4, Appl

26	218.5	19.3	350	7	US-11-132-285-41 Sequence 41, Appl
27	218	19.2	309	7	US-11-076-187-4 Sequence 4, Appl
28	215	19.0	453	7	US-11-185-878-5 Sequence 5, Appl
29	212	18.7	195	7	US-11-132-839-11 Sequence 11, Appl
30	212	18.7	203	7	US-11-132-839-10 Sequence 10, Appl
31	210.5	18.6	455	7	US-11-182-946-3 Sequence 3, Appl
32	210.5	18.5	349	7	US-11-182-946-13 Sequence 13, Appl
33	201	17.7	277	7	US-11-132-285-3 Sequence 3, Appl
34	201	17.7	277	7	US-11-182-946-12 Sequence 12, Appl
35	201	17.7	355	7	US-11-182-946-14 Sequence 14, Appl
36	199	17.6	211	7	US-11-132-839-12 Sequence 12, Appl
37	198.5	17.5	246	7	US-11-132-839-8 Sequence 8, Appl
38	196	17.3	595	7	US-11-182-946-9 Sequence 9, Appl
39	195.5	17.3	255	6	US-10-170-997-2 Sequence 2, Appl
40	195.5	17.3	255	7	US-11-182-946-11 Sequence 11, Appl
41	187.5	16.5	161	7	US-11-126-126-2 Sequence 2, Appl
42	187.5	16.5	161	7	US-11-057-923-3 Sequence 3, Appl
43	186.5	16.5	156	6	US-10-924-074-7 Sequence 7, Appl
44	186.5	16.5	160	7	US-11-132-839-7 Sequence 7, Appl
45	182.5	16.1	331	7	US-11-185-878-3 Sequence 3, Appl

ALIGNMENTS

RESULT 1  
US-11-077-386-19  
; Sequence 19, Application US/11077386  
; Publication No. US20050272067A1  
; GENERAL INFORMATION:  
; APPLICANT: Macina, Roberto  
; APPLICANT: Turner, Leah R.  
; APPLICANT: Chen, Hwei-Mei  
; APPLICANT: Rodriguez, Maria  
; APPLICANT: Liu, Shu-Hui

; TITLE OF INVENTION: Compositions, Splice Variants and Methods Relating to Cancer Specimens  
; TITLE OF INVENTION: Genes and Proteins  
; FILE REFERENCE: DEX-0537  
; CURRENT APPLICATION NUMBER: US/11/077,386  
; PRIOR FILING DATE: 2005-03-10  
; PRIOR APPLICATION NUMBER: US 60/566,706  
; PRIOR FILING DATE: 2004-04-30  
; PRIOR APPLICATION NUMBER: US 60/565,144  
; PRIOR FILING DATE: 2004-04-23  
; PRIOR APPLICATION NUMBER: US 60/551,911  
; PRIOR FILING DATE: 2004-03-10  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 19  
; LENGTH: 435  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-11-077-386-19

Query Match	100.0%;	Score 1133;	DB 7;	Length 435;
Best Local Similarity	100.0%;	Pred. No. 2.8e-90;	Mismatches 0;	Indels 0; Gaps 0;
Matches 197;	Conservative	0;		
Qy	1	SQQAAPPVASENQTCDQGEYYPQHRICCSRCPGTYVSAKCSIRDTVCATCAENS	60	
Db	28	SQQAAPPVASENQTCDQGEYYPQHRICCSRCPGTYVSAKCSIRDTVCATCAENS	87	
Qy	61	YNEHWNLYTICQLCRPCDPVMGLEEIIAPCTSKRKTQCRQCFGMFCAAWALECTHCELLSD	120	
Db	88	YNEHWNLYTICQLCRPCDPVMGLEEIIAPCTSKRKTQCRQCFGMFCAAWALECTHCELLSD	147	
Qy	121	CPGTTAEALKDEYVGKGNHVCPCAGHFQNTSSPSARCPHTRCENGLVEAPGTAQSD	180	
Db	148	CPGTTAEALKDEYVGKGNHVCPCAGHFQNTSSPSARCPHTRCENGLVEAPGTAQSD	207	
Qy	181	TTCKNPLELPPEMSGT	197	
Db	208	TTCKNPLELPPEMSGT	224	

```
RESULT 2
US-11-077-386-20
; Sequence 20, Application US/11077386
; Publication No. US20050272067A1
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto
; APPLICANT: Turner, Leah R.
; APPLICANT: Chen, Hwei-Mei
; APPLICANT: Rodriguez, Maria
; APPLICANT: Liu, Shu-Hui
; TITLE OF INVENTION: Compositions, Splice Variants and Methods Relating to Cancer Spec
; FILE REFERENCE: DEX-0537
; CURRENT APPLICATION NUMBER: US/11/077,386
; CURRENT FILING DATE: 2005-03-10
; PRIOR APPLICATION NUMBER: US 60/566,706
; PRIOR FILING DATE: 2004-04-30
; PRIOR APPLICATION NUMBER: US 60/565,144
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/551,911
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Homo sapien
US-11-077-386-20

Query Match      100.0%; Score 1133; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 2.9e-90;
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SQQAVPPYASENOTCRDQEKYYEPQHRICCSRCPGGTYVS AKSRIRDTVCATCAENS 60
DB 28 SQQAVPPYASENOTCRDQEKYYEPQHRICCSRCPGGTYVS AKSRIRDTVCATCAENS 87
QY 61 YNEHWNLTICQLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 120
DB 88 YNEHWNLTICQLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 147
QY 121 CPPGTEAEKDEVGKGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSD 180
DB 148 CPPGTEAEKDEVGKGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSD 207
QY 181 TTCKNPLEPLPPEMSGT 197
DB 208 TTCKNPLEPLPPEMSGT 224
; ORGANISM: Homo sapien
US-11-077-386-20

RESULT 3
US-11-077-386-18
; Sequence 18, Application US/11077386
; Publication No. US20050272067A1
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto
; APPLICANT: Turner, Leah R.
; APPLICANT: Chen, Hwei-Mei
; APPLICANT: Rodriguez, Maria
; APPLICANT: Liu, Shu-Hui
; TITLE OF INVENTION: Compositions, Splice Variants and Methods Relating to Cancer Spec
; FILE REFERENCE: DEX-0537
; CURRENT APPLICATION NUMBER: US/11/077,386
; CURRENT FILING DATE: 2005-03-10
; PRIOR APPLICATION NUMBER: US 60/566,706
; PRIOR FILING DATE: 2004-04-30
; PRIOR APPLICATION NUMBER: US 60/565,144
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/551,911
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Homo sapien
US-11-077-386-18

Query Match      100.0%; Score 1133; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 2.9e-90;
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SQQAVPPYASENOTCRDQEKYYEPQHRICCSRCPGGTYVS AKSRIRDTVCATCAENS 60
DB 28 SQQAVPPYASENOTCRDQEKYYEPQHRICCSRCPGGTYVS AKSRIRDTVCATCAENS 87
QY 61 YNEHWNLTICQLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 120
DB 88 YNEHWNLTICQLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 147
QY 121 CPPGTEAEKDEVGKGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSD 180
DB 148 CPPGTEAEKDEVGKGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSD 207
QY 181 TTCKNPLEPLPPEMSGT 197
DB 208 TTCKNPLEPLPPEMSGT 224
; ORGANISM: Homo sapien
US-11-077-386-18

Query Match      100.0%; Score 1133; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 2.9e-90;
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SQQAVPPYASENOTCRDQEKYYEPQHRICCSRCPGGTYVS AKSRIRDTVCATCAENS 60
DB 28 SQQAVPPYASENOTCRDQEKYYEPQHRICCSRCPGGTYVS AKSRIRDTVCATCAENS 87
QY 61 YNEHWNLTICQLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 120
DB 88 YNEHWNLTICQLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 147
QY 121 CPPGTEAEKDEVGKGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSD 180
DB 148 CPPGTEAEKDEVGKGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSD 207
QY 181 TTCKNPLEPLPPEMSGT 197
DB 208 TTCKNPLEPLPPEMSGT 224
; ORGANISM: Homo sapien
US-11-077-386-18

Query Match      100.0%; Score 1133; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 2.9e-90;
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SQQAVPPYASENOTCRDQEKYYEPQHRICCSRCPGGTYVS AKSRIRDTVCATCAENS 60
DB 28 SQQAVPPYASENOTCRDQEKYYEPQHRICCSRCPGGTYVS AKSRIRDTVCATCAENS 87
QY 61 YNEHWNLTICQLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 120
DB 88 YNEHWNLTICQLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 147
QY 121 CPPGTEAEKDEVGKGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSD 180
DB 148 CPPGTEAEKDEVGKGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSD 207
QY 181 TTCKNPLEPLPPEMSGT 197
DB 208 TTCKNPLEPLPPEMSGT 224
; ORGANISM: Homo sapien
US-11-077-386-18
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; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 399
; TYPE: PRT
; ORGANISM: Homo sapien
US-11-077-386-18

Query Match      99.6%; Score 1129; DB 7; Length 399;
Best Local Similarity 99.5%; Pred. No. 5.7e-90;
Matches 196; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 SQQAVPPYASENOTCRDQEKYYEPQHRICCSRCPGGTYVS AKSRIRDTVCATCAENS 60
DB 28 SQQAVPPYASENOTCRDQEKYYEPQHRICCSRCPGGTYVS AKSRIRDTVCATCAENS 87
QY 61 YNEHWNLTICQLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 120
DB 88 YNEHWNLTICQLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 147
QY 121 CPPGTEAEKDEVGKGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSD 180
DB 148 CPPGTEAEKDEVGKGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSD 207
QY 181 TTCKNPLEPLPPEMSGT 197
DB 208 TTCKNPLEPLPPEMSGS 224
; ORGANISM: Homo sapiens
US-11-182-946-6

RESULT 4
US-11-182-946-6
; Sequence 6, Application US/11182946
; Publication No. US20050255100A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner
; APPLICANT: Ruben, Steven
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1488.1280004
; CURRENT APPLICATION NUMBER: US/11/182,946
; CURRENT FILING DATE: 2005-07-18
; PRIOR APPLICATION NUMBER: US/10/186,643
; PRIOR FILING DATE: 2002-07-02
; PRIOR APPLICATION NUMBER: US/09/573,986
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-182-946-6

Query Match      68.0%; Score 771; DB 7; Length 415;
Best Local Similarity 70.7%; Pred. No. 2.5e-59;
Matches 135; Conservative 14; Mismatches 40; Indels 2; Gaps 1;

QY 1 SQQAVPPYASENOTCRDQEKYYEPQHRICCSRCPGGTYVS AKSRIRDTVCATCAENS 60
DB 28 SQQAVPPYASENOTCRDQEKYYEPQHRICCSRCPGGTYVS AKSRIRDTVCATCAENS 87
QY 61 YNEHWNLTICQLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 118
DB 88 YNEHWNLTICQLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 147
QY 119 SDCCPPGTEAEKDEVGKGNHCVCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSD 178
DB 148 VLCQPGTEAEVTDIEMDTDVNCVCPKPGHFONTSSPSARCPHTRCENQGLVEAAPGTSY 207
QY 179 SDTCKNPLEP 189
DB 208 SDTCKNPPPEP 218
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RESULT 5
US-11-126-126-16
; Sequence 16, Application US/11126126
; Publication No. US20050250696A1
; GENERAL INFORMATION:
; APPLICANT: Fisher F., Eric
; APPLICANT: Edwards K., Carl
; APPLICANT: Kieft L., Gary
; TITLE OF INVENTION: Truncated Soluble Tumor Necrosis Factor Type-I and
; TITLE OF INVENTION: Type-II Receptors
; FILE REFERENCE: 02-006-A
; CURRENT APPLICATION NUMBER: US/11/126,126
; CURRENT FILING DATE: 2005-05-10
; PRIOR APPLICATION NUMBER: 09/882,735
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 09/214,613
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: PCT/US97/12244
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: 60/039,792
; PRIOR FILING DATE: 1997-03-04
; PRIOR APPLICATION NUMBER: 60/039,314
; PRIOR FILING DATE: 1997-02-07
; PRIOR APPLICATION NUMBER: 60/037,737
; PRIOR FILING DATE: 1997-01-23
; PRIOR APPLICATION NUMBER: 60/032,534
; PRIOR FILING DATE: 1996-12-06
; PRIOR APPLICATION NUMBER: 60/021,443
; PRIOR FILING DATE: 1996-07-09
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-126-126-16

Query Match 26.9%; Score 305; DB 7; Length 235;
Best Local Similarity 35.0%; Pred. No. 1e-19;
Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;

QY 5 AVPPYASE-NQTRDQKEYYEPQHRICCSRCPPGTYVSAAKCSRIKRDIVCATCAENSYNE 63
DB 6 ATTPYAPGSGTCL--LREYDQTAQMCCSKCSPGQHAHVCTKTSDTVCDSCDSTYTQ 63
QY 64 HNNYLTICOLCR---PCDPVPMGLEIEIAPCTSKRKTQCRCPQGMFCAAWALE-CTHCELLS 119
DB 64 LNNWVPECLSCGSRCSDDQV---ETQACTREQNRICTRCPGWYCALSKQEGRCRLCAPLR 141
QY 120 DCPPG-----TEAELKDEVGKNNHCVPCKAGHFQNTSSPSARCOPHTRCENQGLVEAAP 174
DB 120 KCRPGFGVARPGTETSDV-----CKPCAPGTFSTNTSSTDICRPHQICN-----VVAIP 169
QY 175 GTAQSDTTC--KNPLEPLPP 192
DB 170 GNASRDVACTSTSPTRSMAP 189

RESULT 6
US-11-132-285-6
; Sequence 6, Application US/11132285
; Publication No. US20050244876A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR13 and TR14
; FILE REFERENCE: PF511P1
; CURRENT APPLICATION NUMBER: US/11/132,285
; CURRENT FILING DATE: 2005-05-19
; PRIOR APPLICATION NUMBER: US/10/046,433
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: 60/261,960
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; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/618,570
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/144,087
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: 60/149,450
; PRIOR FILING DATE: 1999-07-18
; PRIOR APPLICATION NUMBER: 60/149,712
; PRIOR FILING DATE: 1999-08-20
; PRIOR APPLICATION NUMBER: 60/153,089
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 461
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-132-285-6

Query Match 26.9%; Score 305; DB 7; Length 461;
Best Local Similarity 35.0%; Pred. No. 1.9e-19;
Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;

QY 5 AVPPYASE-NQTRDQKEYYEPQHRICCSRCPPGTYVSAAKCSRIKRDIVCATCAENSYNE 63
DB 28 ATTPYAPGSGTCL--LREYDQTAQMCCSKCSPGQHAHVCTKTSDTVCDSCDSTYTQ 85
QY 64 HNNYLTICOLCR---PCDPVPMGLEIEIAPCTSKRKTQCRCPQGMFCAAWALE-CTHCELLS 119
DB 86 LNNWVPECLSCGSRCSDDQV---ETQACTREQNRICTRCPGWYCALSKQEGRCRLCAPLR 141
QY 120 DCPPG-----TEAELKDEVGKNNHCVPCKAGHFQNTSSPSARCOPHTRCENQGLVEAAP 174
DB 142 KCRPGFGVARPGTETSDV-----CKPCAPGTFSTNTSSTDICRPHQICN-----VVAIP 191
QY 175 GTAQSDTTC--KNPLEPLPP 192
DB 192 GNASRDVACTSTSPTRSMAP 211

RESULT 7
US-11-182-946-4
; Sequence 4, Application US/11182946
; Publication No. US20050255100A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner
; APPLICANT: Ruben, Steven
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1486.1280004
; CURRENT APPLICATION NUMBER: US/11/182,946
; CURRENT FILING DATE: 2005-07-18
; PRIOR APPLICATION NUMBER: US/10/186,643
; PRIOR FILING DATE: 2002-07-02
; PRIOR APPLICATION NUMBER: US/09/573,986
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 461
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-182-946-4

Query Match 26.9%; Score 305; DB 7; Length 461;
Best Local Similarity 35.0%; Pred. No. 1.9e-19;
Matches 70; Conservative 24; Mismatches 78; Indels 28; Gaps 9;

QY 5 AVPPYASE-NQTRDQKEYYEPQHRICCSRCPPGTYVSAAKCSRIKRDIVCATCAENSYNE 63
DB 28 ATTPYAPGSGTCL--LREYDQTAQMCCSKCSPGQHAHVCTKTSDTVCDSCDSTYTQ 85
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QY 64 HNNYLTICOLCR---PCDPVWGLEIEIAPCTSKRKTQCRQCPGMFCAAWALE-CTHCELLS 119  
 ; LENGTH: 191  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

Db 86 LNNWPECLSCGRSSDQV-----EQACTREQNRICTRCPGMYCALSQEGCRICAPLR 141  
 ; LENGTH: 141  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

QY 120 DCPGP-----TBAELKDEVGKNNHCVPCKAGHFONTSSPSARCPHTRCENQGLVEAP 174  
 ; LENGTH: 174  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

Db 142 KCRPGFGVARPGTETSDV-----CKCAPGTFSNTSTSDICRPHQICN-----VVAIP 191  
 ; LENGTH: 191  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

QY 175 GTAQSDTTC--KNLEPLPP 192  
 ; LENGTH: 192  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

Db 192 GNASRDVCTSTSPTRSMAP 211  
 ; LENGTH: 211  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

RESULT 8  
 US-11-154-257-2  
 ; Sequence 2, Application US/11154257  
 ; Publication No. US20050277151A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hsu, Hailing  
 ; TITLE OF INVENTION: NTR3 A Novel Member of the TNF-Receptor Supergene Family  
 ; FILE REFERENCE: 01017/35549B  
 ; CURRENT APPLICATION NUMBER: US/11/154,257  
 ; PRIOR FILING DATE: 2005-06-16  
 ; PRIOR APPLICATION NUMBER: 09/632,277  
 ; PRIOR FILING DATE: 2000-08-03  
 ; PRIOR APPLICATION NUMBER: US 60/147,297  
 ; PRIOR FILING DATE: 1999-08-04  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: Patent in Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 300  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-154-257-2

Query Match 25.2%; Score 285.5; DB 7; Length 300;  
 Best Local Similarity 36.0%; Pred. No. 6.1e-18;  
 Matches 63; Conservative 18; Mismatches 77; Indels 17; Gaps 7;

QY 25 EPQHRICSRCPGTYVSACSRIRDTVCATCAENSYNEHNNYLTICOLCRCPDPMVG-- 82  
 ; LENGTH: 82  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-154-257-2

Db 42 ETGERLVACQCPGTFVQRCRRDSPTTCGPPRRHYTFWNYL---ERCRCNVLCGER 98  
 ; LENGTH: 98  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-154-257-2

QY 83 LREIAPCTSKRKTQCRQCPGMFC-AWALECTHCELLSDCPGTEAELKDEVGKNNHCV 141  
 ; LENGTH: 141  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-154-257-2

Db 99 EEARACHATHNACRRTGFFAHAGFCL--H----ASCPEGA-GVIAPGTFPSQNTQQ 151  
 ; LENGTH: 151  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-154-257-2

QY 142 PCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCKN----PLBPLPP 192  
 ; LENGTH: 192  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-154-257-2

Db 152 PCPPGTFSASSSSSQCPHRCNTALGLALNVPSSSHDTLCTCTGFPFLSTRVP 206  
 ; LENGTH: 206  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-154-257-2

RESULT 9  
 US-10-924-074-4  
 ; Sequence 4, Application US/10924074  
 ; Publication No. US20050272050A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mintz, Liat  
 ; APPLICANT: Bernstein, Jeanne  
 ; APPLICANT: Eshel, Dani  
 ; APPLICANT: Toporik, Amir  
 ; APPLICANT: Chen, Aviva  
 ; TITLE OF INVENTION: CD40 Splice Variants, Compositions for Making and Methods of  
 ; FILE REFERENCE: 28800-501 CIP  
 ; CURRENT APPLICATION NUMBER: US/10/924,074  
 ; PRIOR FILING DATE: 2004-08-23  
 ; PRIOR APPLICATION NUMBER: PCT/IB03/0665  
 ; PRIOR FILING DATE: 2003-02-23  
 ; PRIOR APPLICATION NUMBER: 60/358,877  
 ; NUMBER OF SEQ ID NOS: 43  
 ; SOFTWARE: Patent in version 3.3

; SEQ ID NO 4  
 ; LENGTH: 191  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

Query Match 24.7%; Score 280; DB 6; Length 191;  
 Best Local Similarity 35.2%; Pred. No. 1.2e-17;  
 Matches 64; Conservative 20; Mismatches 86; Indels 12; Gaps 5;

QY 7 PPAENQTCRDQKEYYEPQHRICCSRCPPGTYVSACSRIRDTVCATCAENSYNEHWN 66  
 ; LENGTH: 66  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

Db 22 PPTA-----CR--EKQYLINSQ--CCSLCQPGQLVSDCTEFTTECLPCGSEBFLDTWN 72  
 ; LENGTH: 72  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

QY 67 YLTICOLCRCPDPMVWGLEIEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSDCPGTE 126  
 ; LENGTH: 126  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

Db 73 RETHCHQHKYCDPNLGLRVQKGTSETDTTCTCEGHWTSEA--CESCVLHRSQSPFG 130  
 ; LENGTH: 130  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

QY 127 AELKDEVGKNNHCVPCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCKNP 186  
 ; LENGTH: 186  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

Db 131 VK-QIATGVSDTICEPCPVGFFSNVSAFAKCHPWTSCETKDLVVQQAGTNKTDVVCGLG 189  
 ; LENGTH: 189  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

QY 187 LE 188  
 ; LENGTH: 188  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

Db 190 LE 191  
 ; LENGTH: 191  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-4

RESULT 10  
 US-10-924-074-8  
 ; Sequence 8, Application US/10924074  
 ; Publication No. US20050272050A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mintz, Liat  
 ; APPLICANT: Bernstein, Jeanne  
 ; APPLICANT: Eshel, Dani  
 ; APPLICANT: Toporik, Amir  
 ; APPLICANT: Chen, Aviva  
 ; TITLE OF INVENTION: CD40 Splice Variants, Compositions for Making and Methods of  
 ; FILE REFERENCE: 28800-501 CIP  
 ; CURRENT APPLICATION NUMBER: US/10/924,074  
 ; PRIOR FILING DATE: 2004-08-23  
 ; PRIOR APPLICATION NUMBER: PCT/IB03/0665  
 ; PRIOR FILING DATE: 2003-02-23  
 ; PRIOR APPLICATION NUMBER: 60/358,877  
 ; PRIOR FILING DATE: 2002-02-22  
 ; NUMBER OF SEQ ID NOS: 43  
 ; SOFTWARE: Patent in version 3.3  
 ; SEQ ID NO 8  
 ; LENGTH: 229  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-8

Query Match 24.6%; Score 279; DB 6; Length 229;  
 Best Local Similarity 34.2%; Pred. No. 1.7e-17;  
 Matches 65; Conservative 20; Mismatches 93; Indels 12; Gaps 5;

QY 7 PPAENQTCRDQKEYYEPQHRICCSRCPPGTYVSACSRIRDTVCATCAENSYNEHWN 66  
 ; LENGTH: 66  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-8

Db 22 PPTA-----CR--EKQYLINSQ--CCSLCQPGQLVSDCTEFTTECLPCGSEBFLDTWN 72  
 ; LENGTH: 72  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-8

QY 67 YLTICOLCRCPDPMVWGLEIEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSDCPGTE 126  
 ; LENGTH: 126  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-8

Db 73 RETHCHQHKYCDPNLGLRVQKGTSETDTTCTCEGHWTSEA--CESCVLHRSQSPFG 130  
 ; LENGTH: 130  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-8

QY 127 AELKDEVGKNNHCVPCKAGHFONTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCKNP 186  
 ; LENGTH: 186  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-8

Db 131 VK-QIATGVSDTICEPCPVGFFSNVSAFAKCHPWTSCETKDLVVQQAGTNKTDVVCGES 189  
 ; LENGTH: 189  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-8

QY 187 LEPLPPMSG 196  
 ; LENGTH: 196  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-8

Db 190 WTMGFESLG 199  
 ; LENGTH: 199  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-924-074-8

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RESULT 11
US-10-924-074-6
; Sequence 6, Application US/10924074
; Publication No. US20050272050A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Bernsteins, Jeanne
; APPLICANT: Eshel, Dani
; APPLICANT: Toporik, Amir
; APPLICANT: Chen, Aviva
; TITLE OF INVENTION: CD40 Splice Variants, Compositions for Making and Methods of
; TITLE OF INVENTION: Using the Same
; FILE REFERENCE: 28800-501 CIP
; CURRENT APPLICATION NUMBER: US/10/924,074
; CURRENT FILING DATE: 2004-08-23
; PRIOR APPLICATION NUMBER: PCT/IB03/0665
; PRIOR FILING DATE: 2003-02-23
; PRIOR APPLICATION NUMBER: 60/358,877
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 6
; LENGTH: 237
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-924-074-6

Query Match      24.6%; Score 279; DB 6; Length 237;
Best Local Similarity 34.2%; Pred. No. 1.8e-17;
Matches 65; Conservative 20; Mismatches 93; Indels 12; Gaps 5;

QY 7 PPVASENOTCRDQOEKEYEYEPQHRICCSRCPGTYVSAAKSRIRDTVCATCAENSYNHWN 66
Db 22 PPTA-----CR--EKYLINSQ--CCSLCPQGGKLVSDCTETETECLECGSEFLDTWN 72
QY 67 YLTICQLCRPCDPVWGLEIEAIPCTSKRTQCRQCPGMFCAAWALECTHCELLSDCPPGTE 126
Db 73 RETHCHQHXYCDPNLGLRVQKGTSETDTICTCEGWHCTSEA--CESCVLHRSRCSGPGF 130
QY 127 AELKDEVGKGNHCVCKAGHFQNTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCKNP 186
Db 131 VK-QIATGVSDTICPCPVGFFSNVSSAFEKCHPWTSCETKDLVVOQAGTNKTDVVCGES 189
QY 187 LEPLPEMSG 196
Db 190 WTMGPGESLG 199

RESULT 12
US-10-924-074-6
; Sequence 2, Application US/10924074
; Publication No. US20050272050A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Bernsteins, Jeanne
; APPLICANT: Eshel, Dani
; APPLICANT: Toporik, Amir
; APPLICANT: Chen, Aviva
; TITLE OF INVENTION: CD40 Splice Variants, Compositions for Making and Methods of
; TITLE OF INVENTION: Using the Same
; FILE REFERENCE: 28800-501 CIP
; CURRENT APPLICATION NUMBER: US/10/924,074
; CURRENT FILING DATE: 2004-08-23
; PRIOR APPLICATION NUMBER: PCT/IB03/0665
; PRIOR FILING DATE: 2003-02-23
; PRIOR APPLICATION NUMBER: 60/358,877
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 2
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-924-074-6

Query Match      24.6%; Score 279; DB 6; Length 237;
Best Local Similarity 34.2%; Pred. No. 1.8e-17;
Matches 65; Conservative 20; Mismatches 93; Indels 12; Gaps 5;

QY 7 PPVASENOTCRDQOEKEYEYEPQHRICCSRCPGTYVSAAKSRIRDTVCATCAENSYNHWN 66
Db 22 PPTA-----CR--EKYLINSQ--CCSLCPQGGKLVSDCTETETECLECGSEFLDTWN 72
QY 67 YLTICQLCRPCDPVWGLEIEAIPCTSKRTQCRQCPGMFCAAWALECTHCELLSDCPPGTE 126
Db 73 RETHCHQHXYCDPNLGLRVQKGTSETDTICTCEGWHCTSEA--CESCVLHRSRCSGPGF 130
QY 127 AELKDEVGKGNHCVCKAGHFQNTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCKNP 186
Db 131 VK-QIATGVSDTICPCPVGFFSNVSSAFEKCHPWTSCETKDLVVOQAGTNKTDVVCGES 189
QY 187 LEPLPEMSG 196
Db 190 WTMGPGESLG 199

RESULT 13
US-10-924-074-24
; Sequence 24, Application US/10924074
; Publication No. US20050272050A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Bernsteins, Jeanne
; APPLICANT: Eshel, Dani
; APPLICANT: Toporik, Amir
; APPLICANT: Chen, Aviva
; TITLE OF INVENTION: CD40 Splice Variants, Compositions for Making and Methods of
; TITLE OF INVENTION: Using the Same
; FILE REFERENCE: 28800-501 CIP
; CURRENT APPLICATION NUMBER: US/10/924,074
; CURRENT FILING DATE: 2004-08-23
; PRIOR APPLICATION NUMBER: PCT/IB03/0665
; PRIOR FILING DATE: 2003-02-23
; PRIOR APPLICATION NUMBER: 60/358,877
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 24
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-924-074-24

Query Match      24.5%; Score 278; DB 6; Length 277;
Best Local Similarity 35.0%; Pred. No. 2.5e-17;
Matches 62; Conservative 20; Mismatches 83; Indels 12; Gaps 5;

QY 7 PPVASENOTCRDQOEKEYEYEPQHRICCSRCPGTYVSAAKSRIRDTVCATCAENSYNHWN 66
Db 22 PPTA-----CR--EKYLINSQ--CCSLCPQGGKLVSDCTETETECLECGSEFLDTWN 72
QY 67 YLTICQLCRPCDPVWGLEIEAIPCTSKRTQCRQCPGMFCAAWALECTHCELLSDCPPGTE 126
Db 73 RETHCHQHXYCDPNLGLRVQKGTSETDTICTCEGWHCTSEA--CESCVLHRSRCSGPGF 130
QY 127 AELKDEVGKGNHCVCKAGHFQNTSSPSARCPHTRCENQGLVEAAPGTAQSDTTTC 183
Db 131 VK-QIATGVSDTICPCPVGFFSNVSSAFEKCHPWTSCETKDLVVOQAGTNKTDVVC 186

RESULT 14
US-11-182-946-10
; Sequence 10, Application US/11182946
; Publication No. US20050255100A1
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-924-074-2

Query Match      24.6%; Score 279; DB 6; Length 244;
Best Local Similarity 34.2%; Pred. No. 1.8e-17;
Matches 65; Conservative 20; Mismatches 93; Indels 12; Gaps 5;

QY 7 PPVASENOTCRDQOEKEYEYEPQHRICCSRCPGTYVSAAKSRIRDTVCATCAENSYNHWN 66
Db 22 PPTA-----CR--EKYLINSQ--CCSLCPQGGKLVSDCTETETECLECGSEFLDTWN 72
QY 67 YLTICQLCRPCDPVWGLEIEAIPCTSKRTQCRQCPGMFCAAWALECTHCELLSDCPPGTE 126
Db 73 RETHCHQHXYCDPNLGLRVQKGTSETDTICTCEGWHCTSEA--CESCVLHRSRCSGPGF 130
QY 127 AELKDEVGKGNHCVCKAGHFQNTSSPSARCPHTRCENQGLVEAAPGTAQSDTTCKNP 186
Db 131 VK-QIATGVSDTICPCPVGFFSNVSSAFEKCHPWTSCETKDLVVOQAGTNKTDVVCGES 189
QY 187 LEPLPEMSG 196
Db 190 WTMGPGESLG 199

RESULT 13
US-10-924-074-24
; Sequence 24, Application US/10924074
; Publication No. US20050272050A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Bernsteins, Jeanne
; APPLICANT: Eshel, Dani
; APPLICANT: Toporik, Amir
; APPLICANT: Chen, Aviva
; TITLE OF INVENTION: CD40 Splice Variants, Compositions for Making and Methods of
; TITLE OF INVENTION: Using the Same
; FILE REFERENCE: 28800-501 CIP
; CURRENT APPLICATION NUMBER: US/10/924,074
; CURRENT FILING DATE: 2004-08-23
; PRIOR APPLICATION NUMBER: PCT/IB03/0665
; PRIOR FILING DATE: 2003-02-23
; PRIOR APPLICATION NUMBER: 60/358,877
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 24
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-924-074-24

Query Match      24.5%; Score 278; DB 6; Length 277;
Best Local Similarity 35.0%; Pred. No. 2.5e-17;
Matches 62; Conservative 20; Mismatches 83; Indels 12; Gaps 5;

QY 7 PPVASENOTCRDQOEKEYEYEPQHRICCSRCPGTYVSAAKSRIRDTVCATCAENSYNHWN 66
Db 22 PPTA-----CR--EKYLINSQ--CCSLCPQGGKLVSDCTETETECLECGSEFLDTWN 72
QY 67 YLTICQLCRPCDPVWGLEIEAIPCTSKRTQCRQCPGMFCAAWALECTHCELLSDCPPGTE 126
Db 73 RETHCHQHXYCDPNLGLRVQKGTSETDTICTCEGWHCTSEA--CESCVLHRSRCSGPGF 130
QY 127 AELKDEVGKGNHCVCKAGHFQNTSSPSARCPHTRCENQGLVEAAPGTAQSDTTTC 183
Db 131 VK-QIATGVSDTICPCPVGFFSNVSSAFEKCHPWTSCETKDLVVOQAGTNKTDVVC 186

RESULT 14
US-11-182-946-10
; Sequence 10, Application US/11182946
; Publication No. US20050255100A1
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GENERAL INFORMATION:  
; APPLICANT: Wei, Ying-Bei  
; APPLICANT: Ni, Jian  
; APPLICANT: Gentz, Reiner  
; APPLICANT: Ruben, Steven  
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5  
; FILE REFERENCE: 1488.1280004  
; CURRENT APPLICATION NUMBER: US/11/182,946  
; CURRENT FILING DATE: 2005-07-18  
; PRIOR APPLICATION NUMBER: US/10/186,643  
; PRIOR FILING DATE: 2002-07-02  
; PRIOR APPLICATION NUMBER: US/09/573,986  
; PRIOR FILING DATE: 2000-05-18  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 10  
; LENGTH: 277  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-11-182-946-10

Query Match 24.5%; Score 278; DB 7; Length 277;  
Best Local Similarity 35.0%; Pred. No. 2.5e-17;  
Matches 62; Conservative 20; Mismatches 83; Indels 12; Gaps 5;  
  
QY 7 PPYASNTCRDQKEYEYEPQHRICCSRCPPGTYVSACSRIRDTVCATCAENSYNHWN 66  
DB 22 PPTA-----CR--EKQYLINSQ--CCSLCQPGQKLVSDCTETETECPLCGESEFLDTWN 72  
  
QY 67 YLTICQLCRPCDPVNGLEBIEIAPCTSKRTQCRQCPGMFCAAWALECTHCELLSDCPPGTE 126  
DB 73 RETHCHQHKYCDPNLGLRLVQKQGTSETDTICTCEBGMHTSEA--CESCVLHRSCSPGFG 130  
  
QY 127 AELKDEVGKGNHCVPCCKAGHFQNTSSPSARCPQPHTRCENQGLVEAAPGTQASDITTC 183  
DB 131 VK-QIATGVSDTICEPCVPVGFPSNVSSAFKCHPWTSCETKDLVVQQAGTNKTDVVC 186

RESULT 15  
US-11-127-046-2  
; Sequence 2, Application US/11127046  
; Publication No. US20060008460A1  
; GENERAL INFORMATION:  
; APPLICANT: Aruffo, Alejandro J  
; APPLICANT: Ledbetter, Jeffrey A  
; APPLICANT: Stamenkovic, Ivan  
; APPLICANT: Noelle, Randolph  
; TITLE OF INVENTION: THE CD40CR RECEPTOR AND LIGANDS THEREFOR  
; FILE REFERENCE: 5624-232-999  
; CURRENT APPLICATION NUMBER: US/11/127,046  
; CURRENT FILING DATE: 2005-05-10  
; PRIOR APPLICATION NUMBER: US/08/338,975  
; PRIOR FILING DATE: 1994-11-14  
; PRIOR APPLICATION NUMBER: 07/835,799  
; PRIOR FILING DATE: 1992-02-14  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 277  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-11-127-046-2

Query Match 24.5%; Score 278; DB 7; Length 277;  
Best Local Similarity 35.0%; Pred. No. 2.5e-17;  
Matches 62; Conservative 20; Mismatches 83; Indels 12; Gaps 5;  
  
QY 7 PPYASNTCRDQKEYEYEPQHRICCSRCPPGTYVSACSRIRDTVCATCAENSYNHWN 66  
DB 22 PPTA-----CR--EKQYLINSQ--CCSLCQPGQKLVSDCTETETECPLCGESEFLDTWN 72  
  
QY 67 YLTICQLCRPCDPVNGLEBIEIAPCTSKRTQCRQCPGMFCAAWALECTHCELLSDCPPGTE 126

Db 73 RETHCHQHKYCDPNLGLRLVQKQGTSETDTICTCEBGMHTSEA--CESCVLHRSCSPGFG 130  
QY 127 AELKDEVGKGNHCVPCCKAGHFQNTSSPSARCPQPHTRCENQGLVEAAPGTQASDITTC 183  
DB 131 VK-QIATGVSDTICEPCVPVGFPSNVSSAFKCHPWTSCETKDLVVQQAGTNKTDVVC 186  
  
Search completed: January 18, 2006, 15:10:50  
Job time : 9 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2006 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 18, 2006, 15:04:01 ; Search time 62 Seconds  
(without alignments)  
1327.619 Million cell updates/sec

Title: US-09-626-219-1  
Perfect score: 1133  
Sequence: 1 SQPQAVPPYASENQTCRDQE.....QSDTTCKNPLEPLPPMSGT 197

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA\_Main:\*  
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2: /cgn2\_6/prodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
3: /cgn2\_6/prodata/1/pubpaa/US09\_PUBCOMB.pep:\*  
4: /cgn2\_6/prodata/1/pubpaa/US10A\_PUBCOMB.pep:\*  
5: /cgn2\_6/prodata/1/pubpaa/US10B\_PUBCOMB.pep:\*  
6: /cgn2\_6/prodata/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1133	100.0	197	4	US-10-003-211-1
2	1133	100.0	197	5	US-10-077-406-1
3	1133	100.0	435	3	US-09-307-372-19
4	1133	100.0	435	3	US-09-768-779A-6
5	1133	100.0	435	3	US-09-917-372-19
6	1133	100.0	435	4	US-10-087-192-942
7	1133	100.0	435	4	US-10-291-480-6
8	1133	100.0	435	4	US-10-369-300-17
9	1133	100.0	435	4	US-10-262-445-133
10	1129	99.6	399	3	US-09-907-372-1
11	1129	99.6	399	3	US-09-917-372-1
12	1108	97.1	416	5	US-10-484-148-16
13	987	87.1	170	4	US-10-112-793-14
14	970	85.6	172	4	US-10-375-680-57
15	780	68.8	257	3	US-09-948-018-19
16	771	68.0	402	4	US-10-087-192-939
17	771	68.0	415	3	US-09-826-212-6
18	771	68.0	415	3	US-09-307-372-20
19	771	68.0	415	3	US-09-935-727-8
20	771	68.0	415	3	US-09-917-372-20
21	771	68.0	415	4	US-10-186-643-6
22	771	68.0	415	4	US-10-418-242-8
23	771	68.0	415	5	US-10-943-197-47
24	381.5	33.7	305	4	US-10-264-049-3058
25	311.5	27.5	659	4	US-10-363-427-12
26	307	27.1	720	4	US-10-363-427-8
27	305	26.9	225	3	US-09-840-795-10

28	305	26.9	227	3	US-09-405-032-131	Sequence 131, App
29	305	26.9	227	5	US-10-762-159-131	Sequence 131, App
30	305	26.9	235	3	US-09-102-530-2	Sequence 2, Appli
31	305	26.9	235	3	US-09-102-530-8	Sequence 8, Appli
32	305	26.9	235	3	US-09-907-263-4	Sequence 4, Appli
33	305	26.9	235	3	US-09-882-735-16	Sequence 16, Appli
34	305	26.9	235	4	US-10-243-230-2	Sequence 2, Appli
35	305	26.9	235	4	US-10-243-230-8	Sequence 8, Appli
36	305	26.9	235	4	US-10-436-826-75	Sequence 75, Appli
37	305	26.9	235	4	US-10-621-783-4	Sequence 4, Appli
38	305	26.9	235	4	US-10-622-383-4	Sequence 4, Appli
39	305	26.9	257	4	US-10-313-852-10	Sequence 10, Appli
40	305	26.9	257	4	US-10-314-033-10	Sequence 10, Appli
41	305	26.9	439	4	US-10-360-101-226	Sequence 226, App
42	305	26.9	450	3	US-09-768-779A-3	Sequence 3, Appli
43	305	26.9	450	4	US-10-291-480-3	Sequence 3, Appli
44	305	26.9	461	3	US-09-800-909-2	Sequence 2, Appli
45	305	26.9	461	3	US-09-826-212-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1  
US-10-003-211-1  
; Sequence 1, Application US/10003211  
; Publication No. US20020197254A1  
; GENERAL INFORMATION:  
; APPLICANT: Biogen, Inc.  
; APPLICANT: Browning, et al.  
; TITLE OF INVENTION: Soluble Lymphotoxin Beta Receptor and  
; TITLE OF INVENTION: Anti-Lymphotoxin Receptor and Ligand Antibodies as  
; TITLE OF INVENTION: Therapeutic Agents for the Treatment of Immunological  
; TITLE OF INVENTION: Diseases  
; FILE REFERENCE: A013US  
; CURRENT APPLICATION NUMBER: US/10/003,211  
; CURRENT FILING DATE: 2001-10-31  
; PRIOR APPLICATION NUMBER: PCT/US97/19436  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/029,060  
; PRIOR FILING DATE: 1996-10-25  
; NUMBER OF SEQ ID NOS: 1  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 197  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-003-211-1

Query Match	100.0%;	Score 1133;	DB 4;	Length 197;
Best Local Similarity	100.0%;	Pred. No. 3.5e-86;		
Matches 197;	Conservative	0;	Mismatches	0;
			Indels	0;
			Gaps	0;
QY	1	SQPQAVPPYASENQTCRDQEKEYEYEQHRTCCSRCPPTGVVSAKCSRIKRTVCATCAENS	60	
Db	1	SQPQAVPPYASENQTCRDQEKEYEYEQHRTCCSRCPPTGVVSAKCSRIKRTVCATCAENS	60	
QY	61	YNEHWNLYTCQLCRPCDPMVGLLEEIAPTCTSKRTQCRQCPGMFCAAWALECTHCELLSD	120	
Db	61	YNEHWNLYTCQLCRPCDPMVGLLEEIAPTCTSKRTQCRQCPGMFCAAWALECTHCELLSD	120	
QY	121	CPPTGTAELKDEYKGNHNCVPCAKGHFQNTSSPSARCPQHTRCENGLVEAPGTAQSD	180	
Db	121	CPPTGTAELKDEYKGNHNCVPCAKGHFQNTSSPSARCPQHTRCENGLVEAPGTAQSD	180	
QY	181	TTCKNPLEPLPPMSGT	197	
Db	181	TTCKNPLEPLPPMSGT	197	

RESULT 2  
US-10-077-406-1  
; Sequence 1, Application US/10077406

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; Publication No. US20050037003A1
; GENERAL INFORMATION:
; APPLICANT: Browning, et al.
; TITLE OF INVENTION: Soluble Lymphotoxin-B Receptors and Anti-Lymphotoxin
; TITLE OF INVENTION: Receptor and Ligand Antibodies, as Therapeutic Agents
; TITLE OF INVENTION: for the Treatment of Immunological Disease.
; FILE REFERENCE: B191
; CURRENT APPLICATION NUMBER: US/10/077,406
; CURRENT FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US/09/000,166
; PRIOR FILING DATE: 1998-06-08
; PRIOR APPLICATION NUMBER: PCT/US96/12010
; PRIOR FILING DATE: 1996-07-19
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 197
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-077-406-1

Query Match      100.0%; Score 1133; DB 5; Length 197;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SQQAVPPVASENOTCRDOEKEYEYEPQHRICCSRCPGPGTYVSAGKSRIRDTVCATCAENS 60
Db 1 SQQAVPPVASENOTCRDOEKEYEYEPQHRICCSRCPGPGTYVSAGKSRIRDTVCATCAENS 60

QY 61 YNEHWNLYTICOLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 120
Db 61 YNEHWNLYTICOLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 120

QY 121 CPPGTEAEKLDKGVGKGNHNCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSD 180
Db 121 CPPGTEAEKLDKGVGKGNHNCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSD 180

QY 121 CPPGTEAEKLDKGVGKGNHNCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSD 180
Db 121 CPPGTEAEKLDKGVGKGNHNCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSD 180

QY 181 TTCKNPLEPLPPMSGT 197
Db 181 TTCKNPLEPLPPMSGT 197

RESULT 3
US-09-907-372-19
; Sequence 19, Application US/09907372
; Patent No. US20020068242A1
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti G.
; TITLE OF INVENTION: TNF RECEPTOR 2 RELATED PROTEIN VARIANT
; FILE REFERENCE: PC-0050 US
; CURRENT APPLICATION NUMBER: US/09/907,372
; CURRENT FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PERL Program
; SEQ ID NO 19
; LENGTH: 435
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020068242A1 g339762
US-09-907-372-19

Query Match      100.0%; Score 1133; DB 3; Length 435;
Best Local Similarity 100.0%; Pred. No. 7.6e-86;
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 28 SQQAVPPVASENOTCRDOEKEYEYEPQHRICCSRCPGPGTYVSAGKSRIRDTVCATCAENS 87
QY 61 YNEHWNLYTICOLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 120
Db 61 YNEHWNLYTICOLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 120
QY 121 CPPGTEAEKLDKGVGKGNHNCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSD 180
Db 121 CPPGTEAEKLDKGVGKGNHNCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSD 180
QY 181 TTCKNPLEPLPPMSGT 197
Db 181 TTCKNPLEPLPPMSGT 197

US-09-768-779A-6
; Sequence 6, Application US/09768779A
; Patent No. US20020127637A1
; GENERAL INFORMATION:
; APPLICANT: NI, JIAN
; MOORE, PAUL
; TITLE OF INVENTION: HUMAN TUMOR NECROSIS FACTOR
; RECEPTOR-LIKE PROTEIN 8
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/768,779A
; FILING DATE: 25-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/086,582
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: KENLEY K. HOOVER
; REGISTRATION NUMBER: 40,302
; REFERENCE/DOCKET NUMBER: PF368PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 435 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-768-779A-6

Query Match      100.0%; Score 1133; DB 3; Length 435;
Best Local Similarity 100.0%; Pred. No. 7.6e-86;
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SQQAVPPVASENOTCRDOEKEYEYEPQHRICCSRCPGPGTYVSAGKSRIRDTVCATCAENS 60
Db 28 SQQAVPPVASENOTCRDOEKEYEYEPQHRICCSRCPGPGTYVSAGKSRIRDTVCATCAENS 87
QY 61 YNEHWNLYTICOLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 120
Db 61 YNEHWNLYTICOLCRPCDPVVMGLEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 120
QY 121 CPPGTEAEKLDKGVGKGNHNCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSD 180
Db 121 CPPGTEAEKLDKGVGKGNHNCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSD 180
QY 181 TTCKNPLEPLPPMSGT 197
Db 181 TTCKNPLEPLPPMSGT 197
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QY 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGT 224

RESULT 5  
US-09-917-372-19  
; Sequence 19, Application US/09917372  
; Publication No. US20030068619A1  
; GENERAL INFORMATION:  
; APPLICANT: Lal, Preeti G.  
; APPLICANT: Warren, Bridget A.  
; TITLE OF INVENTION: TNF RECEPTOR 2 RELATED PROTEIN VARIANT  
; FILE REFERENCE: PC-0050 US  
; CURRENT APPLICATION NUMBER: US/09/917,372  
; CURRENT FILING DATE: 2002-09-09  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PERL Program  
; SEQ ID NO 19  
; LENGTH: 435  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc.feature  
; OTHER INFORMATION: Incyte ID No. US20030068619A1 g339762  
US-09-917-372-19

Query Match 100.0%; Score 1133; DB 3; Length 435;  
Best Local Similarity 100.0%; Pred. No. 7.6e-86;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SOPQAVPPYASENQTCDQEKYEPQHRICCSRCPPGTYVSAKCSRIKRDVTCATCAENS 60  
Db 28 SOPQAVPPYASENQTCDQEKYEPQHRICCSRCPPGTYVSAKCSRIKRDVTCATCAENS 87

QY 61 YNEHWNLYTICQLCRPCDPVGMGLEEIACTSKRKTQCRCPGMFCAAWALECTHCELLSD 120  
Db 88 YNEHWNLYTICQLCRPCDPVGMGLEEIACTSKRKTQCRCPGMFCAAWALECTHCELLSD 147

QY 121 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 180  
Db 148 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 207

QY 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGT 224

RESULT 6  
US-10-087-192-942  
; Sequence 942, Application US/10087192  
; Publication No. US20020182586A1  
; GENERAL INFORMATION:  
; APPLICANT: Morris, David W.  
; APPLICANT: Engelhard, Eric K.  
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR  
; TITLE OF INVENTION: CANCER  
; FILE REFERENCE: 529452000122  
; CURRENT APPLICATION NUMBER: US/10/087,192  
; CURRENT FILING DATE: 2002-03-01  
; PRIOR APPLICATION NUMBER: US 09/747,377  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: US 09/798,586  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 2059  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 942  
; LENGTH: 435  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-087-192-942

Query Match 100.0%; Score 1133; DB 4; Length 435;  
Best Local Similarity 100.0%; Pred. No. 7.6e-86;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SOPQAVPPYASENQTCDQEKYEPQHRICCSRCPPGTYVSAKCSRIKRDVTCATCAENS 60  
Db 28 SOPQAVPPYASENQTCDQEKYEPQHRICCSRCPPGTYVSAKCSRIKRDVTCATCAENS 87

QY 61 YNEHWNLYTICQLCRPCDPVGMGLEEIACTSKRKTQCRCPGMFCAAWALECTHCELLSD 120  
Db 88 YNEHWNLYTICQLCRPCDPVGMGLEEIACTSKRKTQCRCPGMFCAAWALECTHCELLSD 147

QY 121 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 180  
Db 148 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 207

QY 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGT 224

RESULT 7  
US-10-291-480-6  
; Sequence 6, Application US/10291480  
; Publication No. US20030100069A1  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; APPLICANT: Moore, Paul  
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Protein 8  
; FILE REFERENCE: PF368C1D1  
; CURRENT APPLICATION NUMBER: US/10/291,480  
; CURRENT FILING DATE: 2002-11-12  
; PRIOR APPLICATION NUMBER: 09/768,779  
; PRIOR FILING DATE: 2001-01-25  
; PRIOR APPLICATION NUMBER: 09/086,582  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/048,020  
; PRIOR FILING DATE: 1997-05-29  
; NUMBER OF SEQ ID NOS: 24  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 435  
; TYPE: PRT  
; ORGANISM: human  
US-10-291-480-6

Query Match 100.0%; Score 1133; DB 4; Length 435;  
Best Local Similarity 100.0%; Pred. No. 7.6e-86;  
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SOPQAVPPYASENQTCDQEKYEPQHRICCSRCPPGTYVSAKCSRIKRDVTCATCAENS 60  
Db 28 SOPQAVPPYASENQTCDQEKYEPQHRICCSRCPPGTYVSAKCSRIKRDVTCATCAENS 87

QY 61 YNEHWNLYTICQLCRPCDPVGMGLEEIACTSKRKTQCRCPGMFCAAWALECTHCELLSD 120  
Db 88 YNEHWNLYTICQLCRPCDPVGMGLEEIACTSKRKTQCRCPGMFCAAWALECTHCELLSD 147

QY 121 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 180  
Db 148 CPPGTEAEIKDEVGKGNHCVCKAGHFQNTSSPSARCOPHTRCENQGLVEAAPGTAQSD 207

QY 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGT 224

RESULT 8  
US-10-369-300-17  
; Sequence 17, Application US/10369300  
; Publication No. US20030215442A1  
; GENERAL INFORMATION:  
; APPLICANT: Fraser, Christopher

```

; APPLICANT: Hancock, Wayne
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE TREATMENT OR PREVENTION OF
; TITLE OF INVENTION: IMMUNE
; TITLE OF INVENTION: DISORDERS USING COMBINATION THERAPY
; FILE REFERENCE: 7853-255
; CURRENT APPLICATION NUMBER: US/10/369,300
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: 60/358,463
; PRIOR FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 435
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-369-300-17

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; PRIOR APPLICATION NUMBER: 60/328,029
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,056
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,849
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/329,414
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/330,142
; PRIOR FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 60/341,058
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 60/343,629
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 60/349,575
; PRIOR FILING DATE: 2001-10-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 133
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 133
; LENGTH: 435
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-262-445-133

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Db 28 SQQAVPPYASENQTCDQKEYYEPQHRICCSRCPPGTVSAKSRIRDTVCATCAENS 87  
Qy 61 YNEHWNLYTICQLCRPCDPVWGLSEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 120  
Db 88 YNEHWNLYTICQLCRPCDPVWGLSEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 147  
Qy 121 CPPGTAEALKDEVGKNNHCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSD 180  
Db 148 CPPGTAEALKDEVGKNNHCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSD 207  
Qy 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGS 224

RESULT 11  
US-09-917-372-1  
; Sequence 1, Application US/09917372  
; Publication No. US2003068619A1  
; GENERAL INFORMATION:  
; APPLICANT: Lal, Preeti G.  
; TITLE OF INVENTION: TNP RECEPTOR 2 RELATED PROTEIN VARIANT  
; FILE REFERENCE: PC-0050 US  
; CURRENT APPLICATION NUMBER: US/09/917,372  
; CURRENT FILING DATE: 2002-09-09  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PERL Program  
; SEQ ID NO 1  
; LENGTH: 399  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. US2003068619A1 7497867CD1  
US-09-917-372-1

Query Match 99.6%; Score 1129; DB 3; Length 399;  
Best Local Similarity 99.5%; Pred. No. 1.5e-85;  
Matches 196; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 SQQAVPPYASENQTCDQKEYYEPQHRICCSRCPPGTVSAKSRIRDTVCATCAENS 60  
Db 28 SQQAVPPYASENQTCDQKEYYEPQHRICCSRCPPGTVSAKSRIRDTVCATCAENS 87  
Qy 61 YNEHWNLYTICQLCRPCDPVWGLSEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 120  
Db 88 YNEHWNLYTICQLCRPCDPVWGLSEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSD 147  
Qy 121 CPPGTAEALKDEVGKNNHCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSD 180  
Db 148 CPPGTAEALKDEVGKNNHCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSD 207  
Qy 181 TTCKNPLEPLPPMSGT 197  
Db 208 TTCKNPLEPLPPMSGS 224

RESULT 12  
US-10-484-148-16  
; Sequence 16, Application US/10484148  
; Publication No. US20040248251A1  
; GENERAL INFORMATION:  
; APPLICANT: LAL, Preeti G.; HONCHELL, Cynthia D.;  
; APPLICANT: FORSYTHE, Ian J.; CHAWLA, Narinder K.;  
; APPLICANT: TANG, Y. Tom; BOROWSKY, Mark L.; BARROSO, Ines;  
; APPLICANT: YUE, Henry; WARREN, Bridget A.;  
; APPLICANT: THANGAVELU, Kavitha; GIETZEN, Kimberly J.;  
; APPLICANT: AZIMZAI, Yalda; LEE, Ernestine A.;  
; APPLICANT: BAUGHN, Mariah R.; GORVAD, Ann E.;  
; APPLICANT: DUGGAN, Brendan M.; TRAN, Bao;  
; APPLICANT: LI, Joana X.; RICHARDSON, Thomas W.;

; APPLICANT: ELLIOTT, Vicki S.; ZBARJADIAN, Yeganeh  
; APPLICANT: TRAN, Uyen K.; YAO, Monique G.;  
; APPLICANT: PETERSON, David P.; LUO, Wen  
; APPLICANT: LEHR-MASON, Patricia M.  
; TITLE OF INVENTION: RECEPTORS AND MEMBRANE ASSOCIATED PROTEINS  
; FILE REFERENCE: PF-1082 USN  
; CURRENT APPLICATION NUMBER: US/10/484,148  
; CURRENT FILING DATE: 2004-01-15  
; PRIOR APPLICATION NUMBER: PCT/US02/22833  
; PRIOR FILING DATE: 2002-07-16  
; PRIOR APPLICATION NUMBER: US 60/306,020  
; PRIOR FILING DATE: 2001-07-17  
; PRIOR APPLICATION NUMBER: US 60/308,179  
; PRIOR FILING DATE: 2001-07-27  
; PRIOR APPLICATION NUMBER: US 60/309,702  
; PRIOR FILING DATE: 2001-08-02  
; PRIOR APPLICATION NUMBER: US 60/311,476  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: US 60/311,718  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: US 60/311,551  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: US 60/314,798  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: US 60/316,639  
; PRIOR FILING DATE: 2001-08-31  
; PRIOR APPLICATION NUMBER: US 60/317,996  
; PRIOR FILING DATE: 2001-09-07  
; NUMBER OF SEQ ID NOS: 46  
; SOFTWARE: PERL Program  
; SEQ ID NO 16  
; LENGTH: 416  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No: 7497865CD1  
US-10-484-148-16

Query Match 97.8%; Score 1108; DB 5; Length 416;  
Best Local Similarity 100.0%; Pred. No. 8.6e-84;  
Matches 192; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 6 VPPYASENQTCDQKEYYEPQHRICCSRCPPGTVSAKSRIRDTVCATCAENSNEHW 65  
Db 14 VPPYASENQTCDQKEYYEPQHRICCSRCPPGTVSAKSRIRDTVCATCAENSNEHW 73  
Qy 66 NYLTICQLCRPCDPVWGLSEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSDCPPT 125  
Db 74 NYLTICQLCRPCDPVWGLSEIAPCTSKRKTQCRQCPGMFCAAWALECTHCELLSDCPPT 133  
Qy 126 EAELEKDEVGKNNHCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTTCKN 185  
Db 134 EAELEKDEVGKNNHCVPCKAGHFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTTCKN 193  
Qy 186 PLEPLPPMSGT 197  
Db 194 PLEPLPPMSGT 205

RESULT 13  
US-10-112-793-14  
; Sequence 14, Application US/10112793  
; Publication No. US20020192729A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; TITLE OF INVENTION: Apo-2 LI AND Apo-3 POLYPEPTIDES  
; NUMBER OF SEQUENCES: 28  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 1 DNA Way  
; CITY: South San Francisco  
; STATE: California

```
;
;
; COUNTRY: USA
; ZIP: 94080
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/112,793
; FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/828,683A
; FILING DATE: 31-Mar-1997
; APPLICATION NUMBER: 08/625328
; FILING DATE: 1-Apr-1996
; APPLICATION NUMBER: 08/710802
; FILING DATE: 23-Sep-1996
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Marschang, Diane L.
; REGISTRATION NUMBER: 35,600
; REFERENCE/DOCKET NUMBER: P1007P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-5416
; TELEFAX: 650/952-9881
;
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 170 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-112-793-14

Query Match 87.1%; Score 987; DB 4; Length 170;
Best Local Similarity 100.0%; Pred. No. 3.9e-74;
Matches 170; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 TCRDQEKYEYEPQHRICCSRCPPGTVVSAKCSRIKDTVCATCAENSYNEHWNLYLTIC 74
DB 1 TCRDQEKYEYEPQHRICCSRCPPGTVVSAKCSRIKDTVCATCAENSYNEHWNLYLTIC 60

QY 75 RCPDPMVGLLEETAPCTSKRKTQRCQPGMFCFAWALECTHCELLSDCPPTGTEAEIKDEVG 134
DB 61 RCPDPMVGLLEETAPCTSKRKTQRCQPGMFCFAWALECTHCELLSDCPPTGTEAEIKDEVG 120

QY 135 KGNHCVCKAGHGFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTTCK 184
DB 121 KGNHCVCKAGHGFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTTCK 170

RESULT 14
US-10-375-680-57
; Sequence 57, Application US/103755680
; Publication No. US20040009147A1
; GENERAL INFORMATION:
; APPLICANT: Ebner, Reinhard
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Ruben, Steven M
; APPLICANT: Ullrich, Stephen
; APPLICANT: Zhai, Yifan
; TITLE OF INVENTION: Apoptosis Inducing Molecule II and Methods of Use
; FILE REFERENCE: 1488, 065000E
; CURRENT APPLICATION NUMBER: US/10/375,680
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,234
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 172
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:

;
; NAME/KEY: misc feature
; LOCATION: (7) --(7)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-10-375-680-57

Query Match 85.6%; Score 970; DB 4; Length 172;
Best Local Similarity 98.3%; Pred. No. 1e-72;
Matches 169; Conservative 0; Mismatches 1; Indels 2; Gaps 1;

QY 15 TCRDQEE--KEYEYEPQHRICCSRCPPGTVVSACSRIRDTVCATCAENSYNEHWNLYLTIC 72
DB 1 TCRDQEXAAAYEYEPQHRICCSRCPPGTVVSACSRIRDTVCATCAENSYNEHWNLYLTIC 60

QY 73 LCRPCDPVMGLEETAPCTSKRKTQRCQPGMFCFAWALECTHCELLSDCPPTGTEAEIKDE 132
DB 61 LCRPCDPVMGLEETAPCTSKRKTQRCQPGMFCFAWALECTHCELLSDCPPTGTEAEIKDE 120

QY 133 VGKGNHCVCKAGHGFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTTCK 184
DB 121 VGKGNHCVCKAGHGFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTTCK 172

RESULT 15
US-09-948-018-19
; Sequence 19, Application US/09948018
; Patent No. US20020150977A1
; GENERAL INFORMATION:
; APPLICANT: Theill et al
; TITLE OF INVENTION: TNF RECEPTOR-LIKE MOLECULES AND USES THEREOF
; FILE REFERENCE: 01017/37677
; CURRENT APPLICATION NUMBER: US/09/948,018
; CURRENT FILING DATE: 2001-09-05
; PRIOR APPLICATION NUMBER: US 60/230,191
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Mus musculus
; US-09-948-018-19

Query Match 68.8%; Score 780; DB 3; Length 257;
Best Local Similarity 100.0%; Pred. No. 8.9e-57;
Matches 135; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 63 EHWNYLTICQLCRPCDPVMGLEETAPCTSKRKTQRCQPGMFCFAWALECTHCELLSDCP 122
DB 1 EHWNYLTICQLCRPCDPVMGLEETAPCTSKRKTQRCQPGMFCFAWALECTHCELLSDCP 60

QY 123 PGTEAEIKDEYVGKGNHCVCKAGHGFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTT 182
DB 61 PGTEAEIKDEYVGKGNHCVCKAGHGFQNTSSPSARCQPHTRCENQGLVEAAPGTAQSDTT 120

QY 183 CKNPLEPLPPPEMSGT 197
DB 121 CKNPLEPLPPPEMSGT 135

Search completed: January 18, 2006, 15:10:30
Job time : 63 secs
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